Serial Number: _09/489,667A_     **ENTERED**

CRF Processing Date: _11/13/2000_
Edited by: _____
Verified by: _____ (STIC staff)

- ☐ Changed a file from non-ASCII to ASCII

- ☐ Changed the margins in cases where the sequence text was "wrapped" down to the next line.

- ☐ Edited a format error in the Current Application Data section, specifically: _____

- ☐ Edited the Current Application Data section with the actual current number. The number inputted by the applicant was ☐ the prior application data; or ☐ other _____.

- ☐ Added the mandatory heading and subheadings for "Current Application Data".

- ☐ Edited the "Number of Sequences" field. The applicant spelled out a number instead of using an integer.

- ☐ Changed the spelling of a mandatory field (the headings or subheadings), specifically: _____

- ☐ Corrected the SEQ ID NO when obviously incorrect. The sequence numbers that were edited were: _____

- ☐ Inserted or corrected a nucleic number at the end of a nucleic line. SEQ ID NO's edited: _____

- ☐ Corrected subheading placement. All responses must be on the same line as each subheading. If the applicant placed a response below the subheading, this was moved to its appropriate place.

- ☐ Inserted colons after headings/subheadings. Headings edited included: _____

- ☐ Deleted extra, invalid, headings used by an applicant, specifically: _____

- ☐ Deleted: ☐ non-ASCII "garbage" at the beginning/end of files; ☐ secretary initials/filename at end of file; ☐ page numbers throughout text; ☐ other invalid text, such as _____.

- ☐ Inserted mandatory headings, specifically: _____

- ☐ Corrected an obvious error in the response, specifically: _____

- ☐ Edited identifiers where upper case is used but lower case is required, or vice versa.

- ☐ Corrected an error in the Number of Sequences field, specifically: _____

- ☐ A "Hard Page Break" code was inserted by the applicant. All occurrences had to be deleted.

- ☐ Deleted *ending* stop codon in amino acid sequences and adjusted the "(A)Length:" field accordingly (error due to a PatentIn bug). Sequences corrected: _____

- ☑ Other: _globally corrected <3/07 response_
_____

**Examiner: The above corrections must be communicated to the applicant in the first Office Action. DO NOT send a copy of this form.**

3/1/95

_O. Srivastava_

1653

```
            RAW SEQUENCE LISTING              DATE: 11/13/2000
            PATENT APPLICATION:  US/09/489,667A    TIME: 13:14:36

            Input Set : A:\D2875seqlist.txt
            Output Set: N:\CRF3\11132000\I489667A.raw

      3  <110> APPLICANT: Donovan, Stephen
      5  <120> TITLE OF INVENTION: CLOSTRIDIAL TOXIN DERIVATIVES AND METHODS FOR TREATING
      6        PAIN
      8  <130> FILE REFERENCE: botulinum-subP/pain/D2875
     10  <140> CURRENT APPLICATION NUMBER: 09/489,667A
     11  <141> CURRENT FILING DATE: 2000-01-19
     13  <160> NUMBER OF SEQ ID NOS: 14
     15  <170> SOFTWARE: PatentIn Ver. 2.1
     17  <210> SEQ ID NO: 1
     18  <211> LENGTH: 11
     19  <212> TYPE: PRT
     20  <213> ORGANISM: Unknown Organism
     22  <220> FEATURE:
     23  <221> NAME/KEY: MOD_RES
     24  <222> LOCATION: (11)
     25  <223> OTHER INFORMATION: AMIDATION
     27  <220> FEATURE:
     28  <223> OTHER INFORMATION: Description of Unknown Organism: This fragment is
     29        substance P and is very well known in the art.
     31  <220> FEATURE:
     32  <223> OTHER INFORMATION: The Met at position 11 is Met-amide.
     34  <300> PUBLICATION INFORMATION:
W--> 35  <310> PATENT DOCUMENT NUMBER: (08/631,434)   US 08/631,434
     36  <311> PATENT FILING DATE: 1996-04-12
     37  <312> PUBLICATION DATE: 1999-04-06
     39  <400> SEQUENCE: 1
     40  Arg Pro Lys Pro Gln Gln Phe Phe Gly Leu Met
     41    1              5                   10
     44  <210> SEQ ID NO: 2
     45  <211> LENGTH: 12
     46  <212> TYPE: PRT
     47  <213> ORGANISM: Unknown Organism
     49  <220> FEATURE:
     50  <223> OTHER INFORMATION: Description of Unknown Organism: Precursor to
     51        substance P, which is very well known in the art.
     53  <300> PUBLICATION INFORMATION:
W--> 54  <310> PATENT DOCUMENT NUMBER: (08/631,434)
     55  <311> PATENT FILING DATE: 1996-04-12
     56  <312> PUBLICATION DATE: 1999-04-06
     58  <300> PUBLICATION INFORMATION:
     59  <301> AUTHORS: Shimonaka,
     60        et al.,
     61  <303> JOURNAL: J. Neurochem.
     62  <304> VOLUME: 59
     63  <306> PAGES: 81-92
     64  <307> DATE: Jul-1992
     66  <400> SEQUENCE: 2
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              RAW SEQUENCE LISTING            DATE: 11/13/2000
              PATENT APPLICATION:  US/09/489,667A    TIME: 13:14:36

              Input Set : A:\D2875seqlist.txt
              Output Set: N:\CRF3\11132000\I489667A.raw

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        68    1            5                 10
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        73 <212> TYPE: PRT
        74 <213> ORGANISM: Unknown Organism
        76 <220> FEATURE:
        77 <223> OTHER INFORMATION: Description of Unknown Organism: This fragment is
        78       a precursor to substance P and is very well known
        79       in the art.
        81 <300> PUBLICATION INFORMATION:
W--> 82 <310> PATENT DOCUMENT NUMBER: 08/631,434
        83 <311> PATENT FILING DATE: 1996-04-12
        84 <312> PUBLICATION DATE: 1999-04-06
        86 <300> PUBLICATION INFORMATION:
        87 <301> AUTHORs: Shimonaka,
        88       et al.,
        89 <303> JOURNAL: J. Neurochem.
        90 <304> VOLUME: 59
        91 <306> PAGES: 81-92
        92 <307> DATE: Jul-1992
        94 <400> SEQUENCE: 3
        95 Arg Pro Lys Pro Gln Gln Phe Phe Gly Leu Met Gly Lys
        96    1            5                 10
        99 <210> SEQ ID NO: 4
       100 <211> LENGTH: 14
       101 <212> TYPE: PRT
       102 <213> ORGANISM: Unknown Organism
       104 <220> FEATURE:
       105 <223> OTHER INFORMATION: Description of Unknown Organism:This fragment is a
       106       precursor to substance P and is very well known in
       107       the art.
       109 <300> PUBLICATION INFORMATION:
W--> 110 <310> PATENT DOCUMENT NUMBER: 08/631,434
       111 <311> PATENT FILING DATE: 1996-04-12
       112 <312> PUBLICATION DATE: 1999-04-06
       114 <300> PUBLICATION INFORMATION:
       115 <301> AUTHORs: Shimonaka,
       116       et al.,
       117 <303> JOURNAL: J. Neurochem.
       118 <304> VOLUME: 59
       119 <306> PAGES: 81-92
       120 <307> DATE: Jul-1992
       122 <400> SEQUENCE: 4
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       124    1            5                 10
       127 <210> SEQ ID NO: 5
       128 <211> LENGTH: 12
       129 <212> TYPE: PRT
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                RAW SEQUENCE LISTING          DATE: 11/13/2000
                PATENT APPLICATION:  US/09/489,667A    TIME: 13:14:36

                Input Set : A:\D2875seqlist.txt
                Output Set: N:\CRF3\11132000\I489667A.raw

       130 <213> ORGANISM: Artificial Sequence
       132 <220> FEATURE:
       133 <223> OTHER INFORMATION: Description of Artificial Sequence:This fragment
       134       is a carboxy-ester synthetic precursor to
       135       substance P.
       137 <220> FEATURE:
       138 <223> OTHER INFORMATION: The Gly at the carboxy terminal (Gly at position
       139       12) is methylated.
       141 <300> PUBLICATION INFORMATION:
W--> 142 <310> PATENT DOCUMENT NUMBER: 08/631,434
       143 <311> PATENT FILING DATE: 1996-04-12
       144 <312> PUBLICATION DATE: 1999-04-06
       146 <300> PUBLICATION INFORMATION:
       147 <301> AUTHORS: Lee,
       148       et al.,
       149 <303> JOURNAL: Eur. J. Biochem.
       150 <304> VOLUME: 114
       151 <306> PAGES: 315-327
       152 <307> DATE: Feb-1981
       154 <300> PUBLICATION INFORMATION:
       155 <301> AUTHORS: Pernow, B.
       156 <303> JOURNAL: Pharmacol. Rev.
       157 <304> VOLUME: 35
       158 <306> PAGES: 86-138
       159 <307> DATE: Jun-1983
       161 <300> PUBLICATION INFORMATION:
       162 <301> AUTHORS: Regoli,
       163       et al.,
       164 <303> JOURNAL: TIPS
       165 <304> VOLUME: 9
       166 <306> PAGES: 290-295
       167 <307> DATE: Aug-1988
       169 <400> SEQUENCE: 5
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       171 1               5                   10
       174 <210> SEQ ID NO: 6
       175 <211> LENGTH: 13
       176 <212> TYPE: PRT
       177 <213> ORGANISM: Artificial Sequence
       179 <220> FEATURE:
       180 <223> OTHER INFORMATION: Description of Artificial Sequence:This is a
       181       carboxy ester synthetic precursor to substance P.
       183 <220> FEATURE:
       184 <223> OTHER INFORMATION: The Lys at the carboxy-terminus (Lys at position
       185       13) is methylated.
       187 <300> PUBLICATION INFORMATION:
W--> 188 <310> PATENT DOCUMENT NUMBER: 08/631,434
       189 <311> PATENT FILING DATE: 1996-04-12
       190 <312> PUBLICATION DATE: 1999-04-06
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                   RAW SEQUENCE LISTING              DATE: 11/13/2000
                   PATENT APPLICATION:  US/09/489,667A     TIME: 13:14:36

                   Input Set : A:\D2875seqlist.txt
                   Output Set: N:\CRF3\11132000\I489667A.raw

       192 <300> PUBLICATION INFORMATION:
       193 <301> AUTHORs: Lee,
       194       et al.,
       195 <303> JOURNAL: Eur. J. Biochem.
       196 <304> VOLUME: 114
       197 <306> PAGES: 315-327
       198 <307> DATE: Feb-1981
       200 <300> PUBLICATION INFORMATION:
       201 <301> AUTHORs: Pernow, B.
       202 <303> JOURNAL: Pharmacol. Rev.
       203 <304> VOLUME: 35
       204 <306> PAGES: 86-138
       205 <307> DATE: Jun-1983
       207 <300> PUBLICATION INFORMATION:
       208 <301> AUTHORs: Regoli,
       209       et al.,
       210 <303> JOURNAL: TIPS
       211 <304> VOLUME: 9
       212 <306> PAGES: 290-295
       213 <307> DATE: Aug-1988
       215 <400> SEQUENCE: 6
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       217   1               5                   10
       220 <210> SEQ ID NO: 7
       221 <211> LENGTH: 14
       222 <212> TYPE: PRT
       223 <213> ORGANISM: Artificial Sequence
       225 <220> FEATURE:
       226 <223> OTHER INFORMATION: Description of Artificial Sequence:This is a
       227       carboxy ester sythetic precursor to substance P.
       229 <220> FEATURE:
       230 <223> OTHER INFORMATION: The Arg at the carboxy-terminus (Arg at position
       231       14) is methylated.
       233 <300> PUBLICATION INFORMATION:
W-->   234 <310> PATENT DOCUMENT NUMBER: 08/631,434
       235 <311> PATENT FILING DATE: 1996-04-12
       236 <312> PUBLICATION DATE: 1999-04-06
       238 <300> PUBLICATION INFORMATION:
       239 <301> AUTHORs: Lee,
       240       et al.,
       241 <303> JOURNAL: Eur. J. Biochem.
       242 <304> VOLUME: 114
       243 <306> PAGES: 315-327
       244 <307> DATE: Feb-1981
       246 <300> PUBLICATION INFORMATION:
       247 <301> AUTHORs: Pernow, B.
       248 <303> JOURNAL: Pharmacol. Rev.
       249 <304> VOLUME: 35
       250 <306> PAGES: 86-138
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                    RAW SEQUENCE LISTING              DATE: 11/13/2000
                    PATENT APPLICATION:  US/09/489,667A      TIME: 13:14:36

                    Input Set : A:\D2875seqlist.txt
                    Output Set: N:\CRF3\11132000\I489667A.raw

     251 <307> DATE: Jun-1983
     253 <300> PUBLICATION INFORMATION:
     254 <301> AUTHORS: Regoli,
     255       et al.,
     256 <303> JOURNAL: TIPS
     257 <304> VOLUME: 9
     258 <306> PAGES: 290-295
     259 <307> DATE: Aug-1988
     261 <400> SEQUENCE: 7
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     275 <220> FEATURE:
     276 <223> OTHER INFORMATION: The Gly at the carboxy terminal (Gly at position
     277       12) is ethylated.
     279 <300> PUBLICATION INFORMATION:
W--> 280 <310> PATENT DOCUMENT NUMBER: 08/631,434
     281 <311> PATENT FILING DATE: 1996-04-12
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     285 <301> AUTHORS: Lee,
     286       et al.,
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     289 <306> PAGES: 315-327
     290 <307> DATE: Feb-1981
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     293 <301> AUTHORS: Pernow, B.
     294 <303> JOURNAL: Pharmacol. Rev.
     295 <304> VOLUME: 35
     296 <306> PAGES: 86-138
     297 <307> DATE: Jun-1983
     299 <300> PUBLICATION INFORMATION:
     300 <301> AUTHORS: Regoli,
     301       et al.,
     302 <303> JOURNAL: TIPS
     303 <304> VOLUME: 9
     304 <306> PAGES: 290-295
     305 <307> DATE: Aug-1988
     307 <400> SEQUENCE: 8
     308 Arg Pro Lys Pro Gln Gln Phe Phe Gly Leu Met Gly
     309    1               5                 10
     312 <210> SEQ ID NO: 9
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VERIFICATION SUMMARY
PATENT APPLICATION:  US/09/489,667A

DATE: 11/13/2000
TIME: 13:14:37

Input Set : A:\D2875seqlist.txt
Output Set: N:\CRF3\11132000\I489667A.raw

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L:459 M:256 W: Invalid Numeric Header Field, Wrong PATENT DOCUMENT NUMBER:US NN/NNN,NNN
L:485 M:285 W: Invalid Journal Date: Wrong YYYY-MM-DD,MMM-YYYY or SEASON-YYYY, Wrong Journal Date:YYYY-MM-
DD,MMM-YYYY or Season-YYYY
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DD,MMM-YYYY or Season-YYYY